



TUOLUMNE – STANISLAUS INTEGRATED REGIONAL WATER MANAGEMENT REGION

2014 IRWM DROUGHT GRANT PROPOSAL

ATTACHMENT 8 – DISADVANTAGED COMMUNITY ASSISTANCE

**Integrated Regional Water Management Program
Applicant: Tuolumne-Stanislus Integrated Regional Water Management Authority**

Twain Harte Community Services District Shadybrook Well (TS IRWM Project No. 40)

Twain Harte Community Services District (THCSD) is applying for a funding match waiver for the Shadybrook Well Project.

THCSD relies solely on surface water provided by Tuolumne Utilities District (TUD) to serve its 1,572 service connections - 1,486 residential, 75 commercial and 11 public entities. This same surface water source is also the sole water source for the majority of Tuolumne County residents and has been highly impacted by this severe drought. The two reservoirs that store this surface water – Lyons and Pinecrest – are primarily used to generate hydropower by Pacific Gas & Electric (PG&E) and hold just enough to supply one year of normal water demands (if hydropower use was excluded). As such, THCSD's water supply heavily relies on winter precipitation and sierra snowpack to continuously provide water supply to its customers throughout the year.

The historically low precipitation and snowpack during this drought has rendered THCSD's sole water supply incapable of meeting normal water demands and basic health, sanitation and fire suppression needs. This has forced THCSD to implement mandatory 50% conservation measures to insure basic water needs are met. It will also necessitate reliance on THCSD's small, back-up Shadybrook Reservoir, which will quickly deplete and result in ecosystem impacts to fish, wildlife, frogs and other riparian habitat. The only way to avoid these impacts is to introduce an alternative water supply. The Shadybrook Well Project is anticipated to alleviate these impacts by providing a new 80 acre-foot per year water supply capable of providing approximately 25% of THCSD's annual water demands and protecting the ecosystem supported by Shadybrook Reservoir.

